



PATENT  
Customer No. 22,852  
Attorney Docket No. 02734.0517

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
)  
Hung Liang CHOU et al. ) Group Art Unit: 1772  
)  
Application No.: 10/676,017 ) Examiner: Unassigned  
)  
Filed: October 2, 2003 )  
)  
For: PAPER PRODUCTS INCLUDING )  
SURFACE TREATED )  
THERMALLY BONDABLE AND )  
METHODS OF MAKING THE )  
SAME )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

Pursuant to the O.G. notice published on August 5, 2003, and because the instant application was filed after June 30, 2003, Applicants submit that the requirement to submit copies of the cited U.S. patents and published U.S. patent applications is waived. Copies of the remaining listed documents, including any copending, non-published patent applications, are attached.

Applicants respectfully requests that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

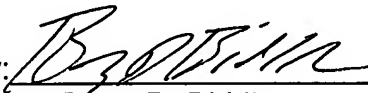
Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: May 10, 2004

By:   
Barry D. Biddle  
Reg. No. 44,033



# INFORMATION DISCLOSURE CITATION

OMB No. 0651-0011

Atty. Docket No. 62484.0517	Appln. No. 10/676,017
Applicant Hung Liang Chou et al.	
Filing Date October 2, 2003	Group: 1772

U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
		3,236,685	02/22/1966	Caldwell et al.			
		3,301,746	01/31/1967	Sanford et al.			
		3,556,932	01/19/1971	Coscia et al.			
		3,556,933	01/19/1971	Williams et al.			
		3,700,623	10/24/1972	Keim			
		3,772,076	11/13/1973	Keim			
		3,905,863	09/16/1975	Ayers			
		3,858,623	01/07/1975	Lefkowitz			
		3,545,705	12/08/1970	Hodgson			
		3,549,742	12/22/1970	Benz			
		3,974,025	08/10/1976	Ayers			
		4,073,993	02/14/1978	Lark			
		4,191,609	03/04/1980	Trokhan			
		4,239,065	12/16/1980	Trokhan			
		4,356,059	10/26/1982	Hostetler			
		4,514,345	04/30/1985	Johnson et al.			
		4,528,339	07/09/1985	Coleman, III et al.			
		4,529,480	07/16/1985	Trokhan			
		4,603,176	07/29/1986	Bjorkquist et al.			
		4,637,859	01/20/1987	Trokhan			
		4,675,394	06/23/1987	Solarek et al.			
		4,720,383	01/19/1988	Drach et al.			
		4,804,769	02/14/1989	Solarek et al.			
		4,866,151	09/12/1989	Tsai et al.			
		4,973,512	11/27/1990	Stanley et al.			
		4,981,557	01/01/1991	Bjorkquist			

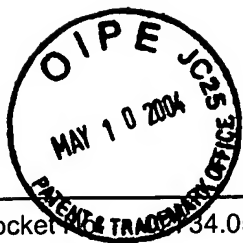


## INFORMATION DISCLOSURE CITATION

OMB No. 0651-0011

Atty. Docket No. 04,0517	Appln. No. 10/676,017
Applicant Hung Liang Chou et al.	
Filing Date October 2, 2003	Group: 1772

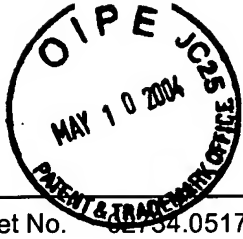
U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
		4,983,748	01/08/1991	Tsai et al.			
		4,640,741	02/03/1987	Tsuneo			
		4,709,732	12/01/1987	Kinnunen			
		4,759,391	07/26/1988	Waldvogel et al.			
		4,759,976	07/26/1988	Dutt			
		4,942,077	07/17/1990	Wendt et al.			
		4,998,568	03/12/1991	Vöhringer			
		4,611,639	09/16/1986	Bugge			
		4,605,585	08/12/1986	Johansson			
		4,592,395	06/03/1986	Borel			
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		4,453,573	06/12/1984	Thompson			
		4,379,735	04/12/1983	MacBean			
		4,376,455	03/15/1983	Hahn			
		4,359,069	11/16/1982	Hahn			
		4,314,589	02/09/1982	Buchanan et al.			
		4,182,381	01/08/1980	Gisbourne			
		4,184,519	01/22/1980	McDonald et al.			
		4,161,195	07/17/1979	Khan			
		4,157,276	06/05/1979	Wandel et al.			
		4,149,571	04/17/1979	Burroughs			
		4,112,982	09/12/1978	Bugge et al.			
		4,071,050	01/31/1978	Codorniu			
		4,041,989	08/16/1977	Johansson et al.			
		4,906,513	03/06/1990	Kebbell et al.			
		4,814,412	03/21/1989	Crowther et al.			



INFORMATION DISCLOSURE CITATION

Atty. Docket No. 34.0517	Appln. No. 10/676,017
Applicant Hung Liang Chou et al.	
Filing Date October 2, 2003	Group: 1772

U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
		5,008,344	04/16/1991	Bjorkquist			
		5,019,211	05/28/1991	Sauer			
		5,023,132	06/11/1991	Stanley et al.			
		5,085,736	02/04/1992	Bjorkquist			
		5,094,717	03/10/1992	Manning et al.			
		5,138,002	08/11/1992	Bjorkquist			
		5,160,789	11/03/1992	Barcus et al.			
		5,182,164	01/26/1993	Eklund et al.			
		5,217,576	06/08/1993	Van Phan			
		5,223,096	06/29/1993	Phan et al.			
		5,225,269	07/06/1993	Bohlin			
		5,230,959	07/27/1993	Young, Sr. et al.			
		5,233,092	08/03/1993	Zaosheng			
		5,240,562	08/31/1993	Phan et al.			
		5,260,171	11/09/1993	Smurkoski et al.			
		5,262,007	11/16/1993	Phan et al.			
		5,264,082	11/23/1993	Phan et al.			
		5,275,799	01/04/1994	Keijsper et al.			
		5,312,522	05/17/1994	Phan et al.			
		5,314,584	05/24/1994	Grinnell et al.			
		5,334,289	08/02/1994	Trokhan et al.			
		5,364,504	11/15/1994	Smurkoski et al.			
		5,368,696	11/29/1994	Cunnane, III et al.			
		5,372,876	12/13/1994	Johnson et al.			



# INFORMATION DISCLOSURE CITATION

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Atty. Docket No. 02134.0517	Appln. No. 10/676,017
Applicant Hung Liang Chou et al.	
Filing Date October 2, 2003	Group: 1772

U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
		5,415,737	05/16/1995	Phan et al.			
		5,429,686	07/04/1995	Chiu et al.			
		5,443,899	08/22/1995	Barcus et al.			
		5,456,293	10/10/1995	Ostermayer et al.			
		5,456,982	10/10/1995	Hansen et al.			
		5,498,478	03/12/1996	Hansen et al.			
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		5,618,612	04/08/1997	Gstrein			
		5,637,194	06/10/1997	Ampulski et al.			
		5,657,797	08/19/1997	Townley et al.			
		5,674,590	10/07/1997	Anderson et al.			
		5,690,788	11/25/1997	Marinack et al.			
		5,763,334	06/09/1998	Gupta et al.			
		5,776,307	07/07/1998	Ampulski et al.			
		5,820,973	10/13/1998	Dodge, II et al.			
		5,843,063	12/01/1998	Anderson et al.			
		5,851,353	12/22/1998	Fiscus et al.			
		5,861,082	01/19/1999	Ampulski et al.			
		5,879,343	03/09/1999	Dodge, II et al.			
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		5,976,694	11/02/1999	Tsai et al.			
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		5,834,384	11/10/1998	Cohen et al.			
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# INFORMATION DISCLOSURE CITATION

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Applicant Hung Liang Chou et al.	
Filing Date October 2, 2003	Group: 1772

U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
		5,066,532	11/19/1991	Gaisser			
		5,098,519	03/24/1992	Ramasubramanian et al.			
		5,103,874	04/14/1992	Lee			
		5,114,777	05/19/1992	Gaisser			
		5,167,261	12/01/1992	Lee			
		5,199,467	04/06/1993	Lee			
		5,211,815	05/18/1993	Ramasubramanian et al.			
		5,219,004	06/15/1993	Chiu			
		5,245,025	09/14/1993	Trokhan et al.			
		5,277,761	01/11/1994	Van Phan et al.			
		5,328,565	07/12/1994	Rasch et al.			
		5,379,808	01/10/1995	Chiu			
		6,042,692	03/28/2000	Myrén			
		6,187,139	02/13/2001	Edwards et al.			
		6,193,839	02/27/2001	Ampulski et al.			
		6,210,528	04/03/2001	Wolkowicz			
		6,214,146	04/10/2001	Merker			
		6,235,663	05/22/2001	Dahringer et al.			
		6,248,211	06/19/2001	Jennings et al.			
		6,277,241	08/21/2001	Merker et al.			
		6,121,170	09/19/2000	Tsai et al.			
		6,087,469	07/11/2000	Epple et al.			
		6,211,306	04/03/2001	Epple et al.			
		6,258,897	07/10/2001	Epple et al.			
		6,228,296	05/08/2001	Cartmill et al.			
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Atty. Docket No. 02734.0517	Appln. No. 10/676,017
Applicant Hung Liang Chou et al.	
Filing Date October 2, 2003	Group: 1772

U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
		6,136,775	10/24/2000	Strout et al.			

FOREIGN PATENT DOCUMENTS							
		Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
		WO 96/12615	05/02/1996	EPO			
		WO 01/24749	04/12/2001	PCT			
		EP 1 050 612	11/08/2000	EPO			
		WO 00/33779	06/15/2000	PCT			
		WO 00/25835	05/11/2000	PCT			
		63-211350	09/02/1988	JP			Abstract
		DD 288 611	04/04/1991	Germany			Abstract
		WO 00/37518	06/29/2000	PCT			Abstract
		WO 00/24798	05/04/2000	PCT			Abstract
		WO 00/17241	03/30/2000	PCT			
		EP 0 916 692	05/19/1999	EPO			Abstract
		EP 0 488 452	06/03/1992	EPO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Christopher T. J. Dodson, "Fiber Crowding, Fiber Contacts, and Fiber Flocculation", Tappi Journal, Vol. 79: No. 9, pp. 211-215 (1996).
	B. W. Crouse, S. J. Dagan, and E. B. Warner, "Properties of Thermoplastic Fiber/Cellulosic Stratified Composite Papers", Tappi Journal, July 1985, Vol. 68, No. 7, pp. 94-97 (1985).
	R. J. Kerekes and C. J. Schell, "Characterization of Fibre Flocculation Regimes By A Crowding Factor", PPR 795, Pulp and Paper Reports, Pulp and Paper Research Institute of Canada, May 1990.
	U.S. Patent Application Publication 2001/0040136, November 15, 2001, Application No. 09/746,297, filed December 19, 2000





OMB No. 0651-0011

## INFORMATION DISCLOSURE CITATION

Atty. Docket No. 027543617	Appln. No. 10/676,017
Applicant Hung Liang Chou et al.	
Filing Date October 2, 2003	Group: 1772

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	

Examiner	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce